



## SL184920-A-C3 [↗](#)

### Cylindrical roller bearing

Cylindrical roller bearing SL18..-A, full complement roller set, two-row, semi-locating bearing, 1 rib on outer ring, 3 ribs on inner ring, type SL18

## Technical information

### Your current product variant

Design	A	Internal Variant A
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Tolerance class	PN	Normal (ISO 492:2023)
Number of rows	2	Double-row design

### Main Dimensions & Performance Data

d	100 mm	Bore diameter
D	140 mm	Outside diameter
B	40 mm	Width
$C_r$	191.000 N	Basic dynamic load rating, radial
$C_{0r}$	370.000 N	Basic static load rating, radial
$C_{ur}$	48.500 N	Fatigue load limit, radial
$n_G$	2.700 1/min	Limiting speed
$n_{gr}$	1.720 1/min	Reference speed
$m$	1,925 kg	Weight



### Mounting dimensions

$d_{c \min}$	116 mm	Minimum shaft shoulder
$d_{a \min}$	116,4 mm	Minimum diameter shaft shoulder
$D_{a \max}$	124,8 mm	Maximum diameter of housing shoulder
$r_{a \max}$	1,1 mm	Maximum recess radius
$r_{a1 \max}$	1,1 mm	Maximum recess radius
$D_{e \min}$	124,8 mm	Minimum diameter of housing shoulder

### Dimensions

$r_{\min}$	1,1 mm	Minimum chamfer dimension
$r_{1 \min}$	1,1 mm	Minimum chamfer dimension
s	0,7 mm	Axial displacement
C	20 mm	Distance to lubrication hole
$d_1$	116,4 mm	Maximum rib diameter inner ring
$D_1 \min$	124,8 mm	Minimum rib diameter outer ring
E	129,6 mm	Raceway diameter outer ring

### Temperature range

$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	120 °C	Operating temperature max.

### Characteristics

	Radial load
	Axial load in one direction
	Grease Lubrication
	Oil Lubrication
	Not sealed